

## MAC AUDIO 11035761

# Mac Audio Edition 216 Car HiFi Speaker System User Manual

Model: 11035761 | Brand: MAC AUDIO

## 1. PRODUCT OVERVIEW

The Mac Audio Edition 216 is a 2-way component system featuring a 165 mm woofer and a separate 13 mm titanium-coated tweeter. This system is perfectly suited for installation in car doors and rear shelves, designed to deliver high-fidelity audio in a vehicle environment. The acoustically optimized transducer is housed in a robust protective grille with an aluminum hairline finish, ensuring both durability and aesthetic appeal.

### Key Features:

- Coated, pressed paper cone for robust bass reproduction.
- Lightweight foam surround for high efficiency and improved transient response.
- Titanium tweeter for crisp and clear high-frequency sound.
- Centering and magnetic field optimized by the Klippel measurement process for precise sound.
- Perfect parameter adjustment for seamless integration into rear shelf and door installations.
- Includes a dedicated tweeter housing for flexible mounting options.

## 2. SETUP AND INSTALLATION

### 2.1 Unpacking the System

Carefully remove all components from the packaging. Verify that all parts are present:

- 1x 165mm Woofer
- 1x 13mm Titanium Tweeter
- 1x Crossover Network
- Mounting hardware (screws, clips)
- Speaker grilles

### 2.2 Installation Guidelines

Installation of car audio components can be complex. It is highly recommended that installation be performed by a qualified professional to ensure proper functionality and to avoid damage to your vehicle or the speaker system. If you choose to install the system yourself, please observe the following:

- Safety First:** Disconnect the vehicle's battery before beginning any electrical work.

- **Vehicle Compatibility:** Ensure the speaker dimensions (165mm woofer, 13mm tweeter) are compatible with your vehicle's designated speaker locations.
- **Wiring:** Use appropriate gauge speaker wire for connections. Ensure correct polarity (+ to + and - to -) to prevent phase issues and ensure optimal sound.
- **Mounting:** Securely mount the woofer and tweeter in their respective locations. The tweeter can be flush-mounted or surface-mounted using the provided housing.
- **Crossover Connection:** Connect the woofer, tweeter, and amplifier/head unit to the crossover network as per the wiring diagram (not included in this manual, refer to product packaging or manufacturer's website). The crossover ensures that the correct frequency ranges are sent to each speaker component.



This image displays the complete Mac Audio Edition 216 speaker system, showing the main woofer, the separate tweeter, and the crossover unit. These components are designed for optimal sound reproduction in a vehicle.

## 3. OPERATION

### 3.1 Audio System Integration

Once installed, the Mac Audio Edition 216 speaker system will integrate with your car's existing head unit or external amplifier. Ensure your head unit's output settings are configured correctly for external speakers, if applicable. For optimal performance, consider using an amplifier that matches the speaker's power handling capabilities (60 Watts RMS, 240 Watts Peak).

### 3.2 Sound Adjustment

To achieve the best sound quality from your new speakers, you may need to adjust your car audio system's settings:

- **Equalizer (EQ):** Experiment with your head unit's equalizer settings to fine-tune the bass, mid-range, and treble frequencies to your preference.
- **Balance and Fade:** Adjust the balance (left/right) and fade (front/rear) settings to create an optimal sound stage within your vehicle.
- **Volume Levels:** Avoid excessively high volume levels that cause audible distortion, as this can damage the speakers.

### 4. CARE AND MAINTENANCE

Proper care will extend the life and performance of your Mac Audio Edition 216 speakers:

- **Cleaning:** Use a soft, slightly damp cloth to wipe down the speaker grilles and surrounds. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the materials.
- **Protection:** Protect the speakers from direct exposure to extreme temperatures, excessive moisture, and direct sunlight, which can degrade materials over time.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Loose connections can lead to poor sound quality or intermittent operation.
- **Avoid Overpowering:** Do not continuously play audio at distortion levels. This can cause voice coil overheating and permanent damage to the speakers.

### 5. TROUBLESHOOTING

If you encounter issues with your Mac Audio Edition 216 speaker system, refer to the table below for common problems and their solutions:

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring connections; Amplifier/head unit off or faulty; Speaker damaged.	Check all speaker and power connections. Ensure head unit/amplifier is on and functioning. Test with another known-good speaker if possible.
Distorted or unclear sound	Volume too high; Incorrect EQ settings; Loose speaker cone; Amplifier clipping.	Reduce volume. Adjust EQ settings. Check speaker for physical damage. Ensure amplifier is not being overdriven.
One speaker not working	Loose connection to that specific speaker; Faulty speaker wire; Damaged speaker.	Check connections for the non-working speaker. Swap speaker wires with a working speaker to diagnose if the wire or speaker is faulty.
Lack of bass or treble	Incorrect crossover connection; EQ settings; Speaker polarity reversed.	Verify crossover connections. Adjust EQ. Check speaker wire polarity (+ to + and - to -).

## 6. TECHNICAL SPECIFICATIONS

Detailed specifications for the Mac Audio Edition 216 Car HiFi Speaker System:

Specification	Value
Brand	MAC AUDIO
Model Name	Mac Audio Edition 216
Item Model Number	11035761
Speaker Type	Woofer (Component System)
Power (Peak)	240 Watts
Maximum Speaker Output Power (RMS)	60 Watts
Product Dimensions (L x W x H)	16.5 x 16.5 x 5.8 cm
Item Weight	1.8 Kilograms
Mounting Type	Flush Mount
Surround Sound Channel Configuration	2.0
Color	Black
Manufacturer	Mac Audio
No longer produced by manufacturer	No
Date first available on Amazon.com.be	21 July 2022
Software updates guaranteed until	Information not available



This image provides a detailed view of the 165mm woofer component of the Mac Audio Edition 216 system, highlighting its pressed paper cone and robust construction.



A close-up of the Mac Audio Edition 216 tweeter, showing its protective grille and compact design, suitable for flush mounting.





This image shows the compact 13mm titanium-coated tweeter, a key component for clear high-frequency sound reproduction in the Mac Audio Edition 216 system.

## 7. WARRANTY AND SUPPORT

The Mac Audio Edition 216 speaker system is covered by a manufacturer's warranty. For specific details regarding warranty terms, duration, and claim procedures, please refer to the warranty card included with your product or visit the official Mac Audio website. Keep your proof of purchase for warranty validation.

For technical support, spare parts, or service inquiries, please contact Mac Audio customer service through their official website or the contact information provided in your product packaging. When contacting support, please have your model number (11035761) and purchase date readily available.

